



QwyitCash
Better Than Money

Overview Presentation
2016

No Cards

No Readers

No Risk

More Sales



QwyitCash?

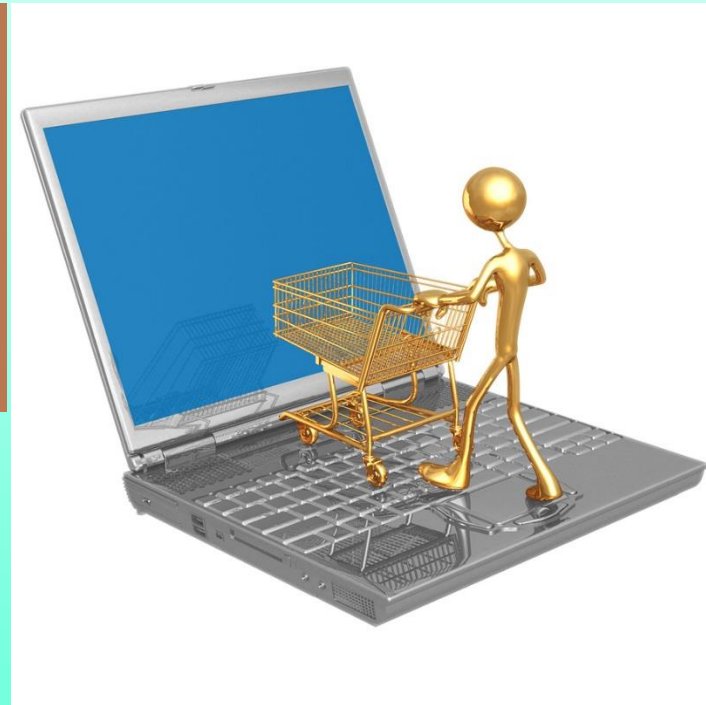
Retail



Restaurant

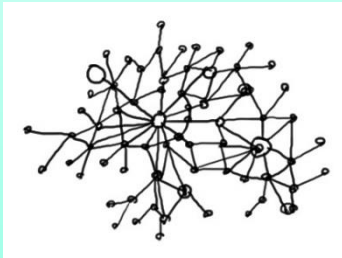


Online



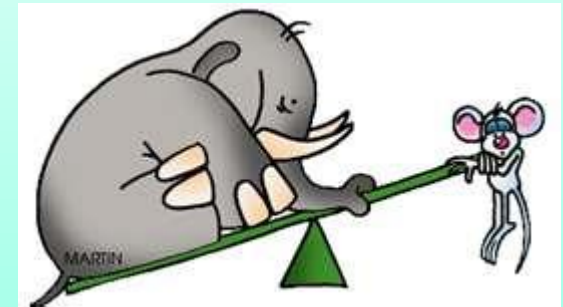
The same credit payment process, the same transaction, the same Immediate Payment everywhere – without any cards or readers. QwyitCash – Better Than Money!

Why not use the current stuff?



**Too
complex**

Too COSTLY



Unbalanced Risk

All are missing the ability to sell more, for less hassle, at exactly the moment the consumer wants to buy!





QwyitCash Transactions

1st Generation

- *There are no physical device requirements at checkout (no further associated costs/requirements)*
- *There are no cards required (no more credit cards and no further associated costs/requirements)*
- *Retail, restaurant, online – works exactly the same everywhere and anywhere (deferred or Immediate Payments)*
- *Provable mathematical transaction security. Transparent, impenetrable process security*
- *Future transactions can be gifted from consumer/merchant/lender to another consumer just like cash, e.g. a Gift Card but without the physical card*
- *Consumer phone can be lost or stolen without risk – cannot be used by a thief.*
- *Merchant POS can be tapped without risk – cannot be thwarted, replicated, forged, or violated*
- *Merchants **no** longer need to store customer's credit card info (with all the associated cost and risk!)*

NONE OF THIS CAN BE DONE BY ANY TRANSACTION SYSTEM NOW!



QwyitCash Transactions

2nd Generation

- ***Buy at the Moment Of Interest, whenever you want, wherever you are in the store or online – no more ‘shopping carts’ and ‘checkout’!***
 - ***Connect to Merchant’s QC network, shoot the merchandise UPC/RFID tag w/your smartphone, off goes the Merchant transaction along with your payment***

...and off you go with the goods!

**THIS IS MERCHANDISING’S HOLY GRAIL: CAPTURE
*THE SALE AT THE MOMENT OF INTEREST!***

NONE OF TODAY’S SYSTEMS WILL EVER DO THIS!



QwyitCash Properties

QwyitCash is built using the Qwyit authentication and data security protocol. (See Qwyit.com)

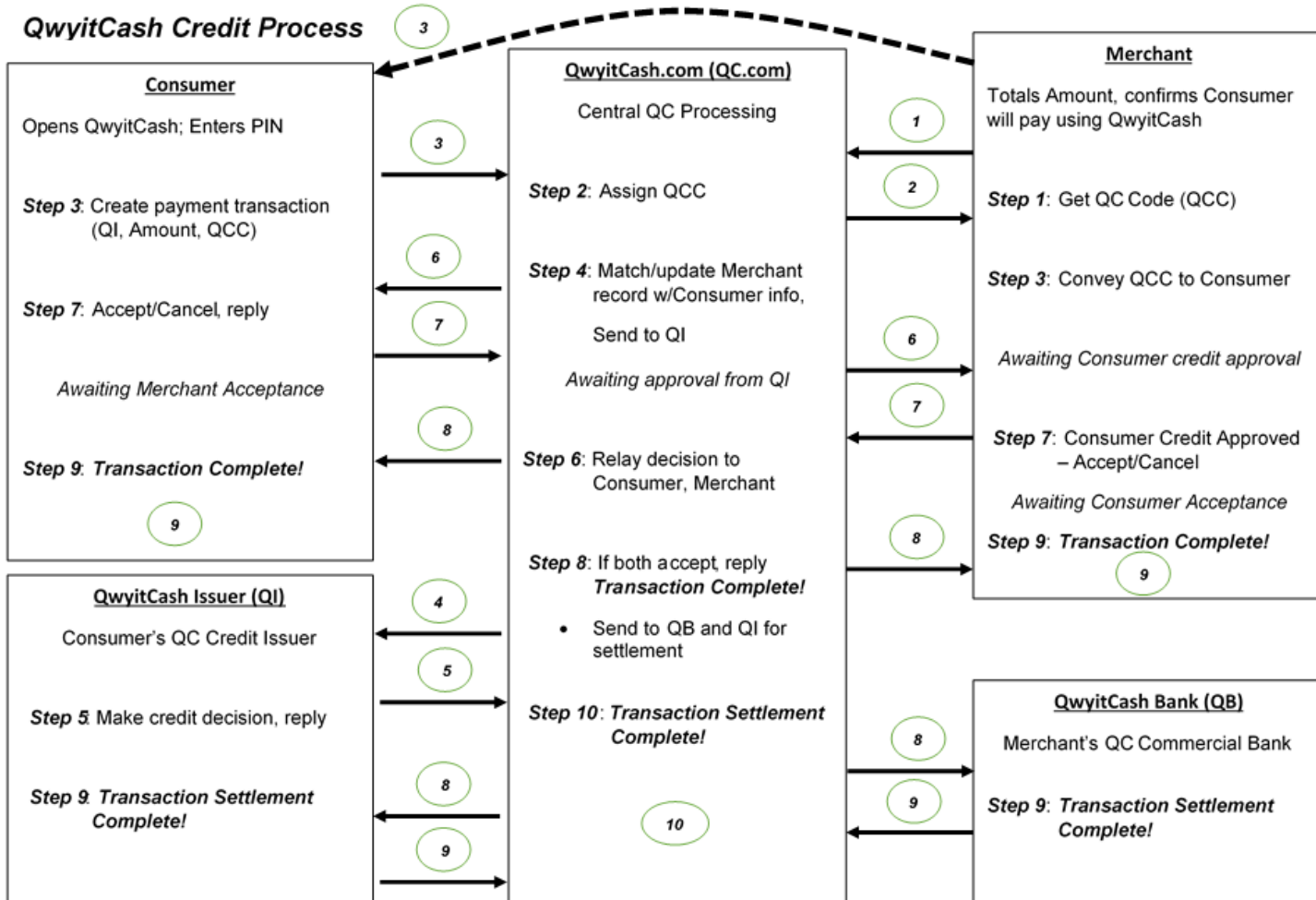
Qwyit delivers the cryptographic and processing properties that enable QC's superior/next generation transaction system with real-time security and privacy:

- ***Speed, size, flexibility, provable security (under review at NIST for new lightweight cryptography standard), efficiency and encryption (each transmission: new key secure, mutually authentic)***
- ***Private/Public partnership enabling system authenticity (transmission system: can't be spoofed, forged, corrupted – in real-time or offline storage)***

QwyitCash built Qwyit delivers!

How: QwyitCash Process

QwyitCash Credit Process



Note: Every message in the system uses a single, standard transaction format

This is the QwyitCash 1st Generation transaction process for a Consumer purchase:

- Immediate or deferred payment
- Line speed
- Provably secure
- Single, standard message format
- Lost/stolen devices pose no risk
- Authenticated encryption

QwyitCash is singularly capable in every transmission.

Properties, description, validations all available for review. Have papers – have at it!



Is QwyitCash Secure?

The entirety of the “credit card” business and technical transaction model is ***based on using the actual, physical card as an authentication token.*** All of the complexity of all of the proposed credit transaction processing methods has been based on the faulty assumption that this is necessary.

What is necessary is that the person asking to use credit for a purchase is indeed the person who has been granted credit by an entity from whom the merchant will be able to collect. In doing away with the physical card, this requires sending digital authentication tokens in a provably secure communication method; QwyitCash uses the Qwyit authentication and data security protocol to accomplish this:

Qwyit’s ***mathematics has been verified by independent cryptographic experts:***
<http://csrc.nist.gov/groups/ST/lwc-workshop2015/presentations/session3-dicrescenzo.pdf>

Qwyit is currently under review by NIST for certification as a US National Standard for Lightweight Cryptography:
<http://csrc.nist.gov/groups/ST/lwc-workshop2015/papers/session3-dicrescenzo-paper.pdf>



QwyitCash Business Rationale

- ***The credit transaction marketplace is huge (>400B transactions/year), growing, and in search of better***
- ***Turns smartphones into purchase devices***
- ***Removes cards/readers, replaces gift cards, lowers costs, simplifies technology, balances transaction risk***
- ***Simple, straightforward proliferation of QC software – participants simply signup and install***
- ***No other process will ever deliver the sales holy grail: checkout anytime, anywhere at the Moment of Interest!***

QwyitCash needs YOU to succeed!



QwyitCash Status

Current:

- ***8 Qwyit Patents Granted (7 US, 1 Japan), 1 Patent Pending***
- ***1 QwyitCash patent pending***
- ***Detailed QwyitCash Protocol Reference Guide***

Future:

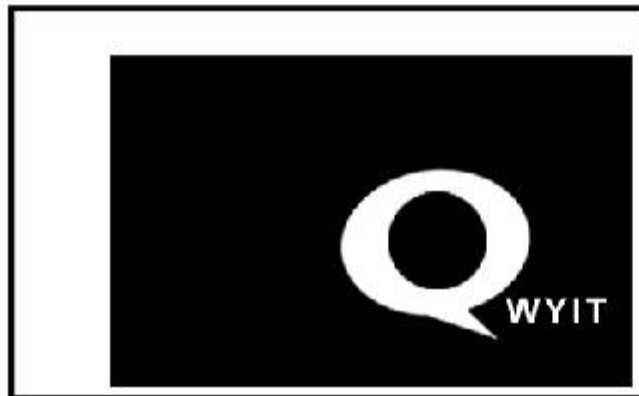
- ***Sale to qualified financial transaction marketplace entity***
- ***Historic change in credit transaction marketplace***



Contact

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